FORM PTO-1449
FIFTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.

0942.4290006

APPLICATION NO.

09/705,940

FIRST NAMED INVENTOR

Fike et al.

FILING DATE

November 6, 2000

ART UNIT

1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
<i>maf</i>	AA4	2,835,586	05/20/1958	Peebles, D.	99	56	07/27/1953
	AB4	4,053,642	10/11/1977	Hup et al.	426	36	06/12/1975
	AC4	4,673,649	06/16/1987	Boyce et al.	435	240	07/15/1983
	AD4	5,773,061	06/30/1998	Getler et al.	426	285	05/15/1996
	AE4	6,140,121	10/31/2000	Ellington et al.	435	374	10/17/1996
	AF4	6,627,426	09/30/2003	Biddle et al.	435	243	05/23/2000
	AG4	2004/0087022	05/06/2004	Fike et al.	435	404	10/16/2003
<i>maf</i>	AH4	2003/0153079	08/14/2003	Fike et al.	435	404	12/02/2002
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
<i>maf</i>	AL5	WO 84/04107	10/25/1984	WIPO			Yes
							No
<i>maf</i>	AM5	WO 95/00031	01/05/1995	WIPO			Yes
							No
<i>maf</i>	AN5	WO 95/13865	05/26/1995	WIPO			Yes
							No
<i>maf</i>	AO5	JP 59-501933	11/22/1984	Japan			Yes
							No
<i>maf</i>	AP5	JP 60-248172	12/07/1985	Japan			Yes
							No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
<i>maf</i>	AS	13	Barritault, D., et al., "Is There a Ubiquitous Growth Factor in the Eye? Proliferation Induced in Different Cell Types by Eye-Derived Growth Factors," <i>Differentiation</i> 18: 29-42, Springer-Verlag (1981).
<i>maf</i>	AT	13	BBL Manual of Products and Laboratory Procedures, Fifth Edition, pp. 161-162 (1973).

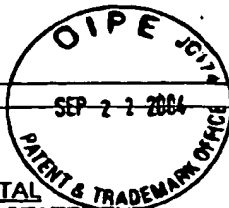
EXAMINER

maf/oleppkell

DATE CONSIDERED

5-23-06

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Waf</i>	AR	14	Cohen, S., "Isolation of a Mouse Submaxillary Gland Protein Accelerating Incisor Eruption and Eyelid Opening in the New-born Animal," <i>J. Biol. Chem.</i> 237: 1555-1562, The American Society of Biological Chemistry, Inc. (1962).
	AS	14	Fassolitis, A.C., et al., "Serum Substitute in Epithelial Cell Culture Media: Nonfat Dry Milk Filtrate" <i>Applied and Environmental Microbiology</i> 42:200-203, American Society for Microbiology (1981).
<i>Waf</i>	AT	14	Fike, R., et al., "Advanced Granulation Technology (AGT™). An alternate format for serum-free, chemically-defined and protein-free cell culture media," <i>Cytotechnology</i> 36: 33-39, Kluwer Academic Publishers (2001).

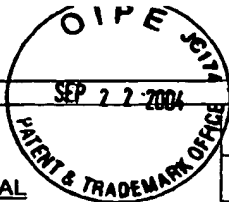
EXAMINER

Wafellapke

DATE CONSIDERED

5-23-06

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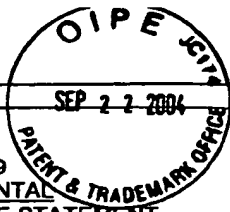
FORM PTO-1449 FIFTH SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		ATTY. DOCKET NO. 0942.4290006	APPLICATION NO. 09/705,940
		FIRST NAMED INVENTOR Fike et al.	
		FILING DATE November 6, 2000	ART UNIT 1636

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>WLF</i>	AR	15	Gilchrest, B.A., et al., "Characterization and Partial Purification of Keratinocyte Growth Factor From the Hypothalamus," <i>J. Cellular Physiology</i> 120: 377-383, Alan R. Liss, Inc. (1984).
<i>WLF</i>	AS	15	Lambert, K.J., and Birch, J.R., "Cell Growth Media," in <i>Animal Cell Biotechnology</i> , Vol. 1, pp. 85-122. Spier, R. E., and Griffiths, J. B., Eds., Academic Press, Inc., London (1985).
<i>WLF</i>	AT	15	Maciag, T., et al., "An endothelial cell growth factor from bovine hypothalamus: Identification and partial characterization," <i>Proc. Natl. Acad. Sci. USA</i> 76: 5674-5678, National Academy of Sciences (1979).

EXAMINER <i>WLF/Chapman</i>	DATE CONSIDERED 5-23-06
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>maf</i>	AR	16	Maciag, T., et al., "An Endocrine Approach to the Control of Epidermal Growth: Serum-Free Cultivation of Human Keratinocytes," <i>Science</i> 211: 1452-1454, American Association for the Advancement of Science (1981).
<i>maf</i>	AS	16	Peehl, D. M., and Ham, R. G., "Growth and Differentiation of Human Keratinocytes without a Feeder Layer or Conditioned Medium," <i>In Vitro</i> 16: 516-525, Tissue Culture Association (1980).
<i>maf</i>	AT	16	Radominski, R., et al., "Production-Scale Qualification of a Novel Cell Culture Medium Format," <i>BioPharm</i> 14: 34-39, Invitrogen Corporation (July 2001).

EXAMINER <i>maf/ellapke-ll</i>	DATE CONSIDERED 5-23-06
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FORM PTO-1449
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FIRST NAMED INVENTOR

Fike et al.

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ART UNIT

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U.S. PATENT DOCUMENTS

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Waf</i>	AR	17	Ringer, S., "Concerning the Influence Exerted by Each of the Constituents of the Blood on the Contraction of the Ventricle," <i>J. Physiology</i> 3: 380-393, Cambridge Scientific Instrument Company's Works (1880).
<i>Waf</i>	AS	17	Sigma-Aldrich Catalogue pp. 1553, 1634 (1996).
<i>Waf</i>	AT	17	Tritsch, G. L., and Moore, G. E., "Spontaneous Decomposition of Glutamine in Cell Culture Media," <i>Exp. Cell Res.</i> 28: 360-364, Academic Press (1962).

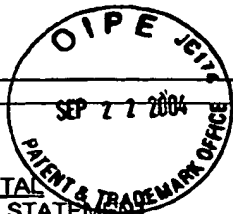
EXAMINER

Waf/chapman

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FIRST NAMED INVENTOR

Fike et al.

FILING DATE

November 8, 2000

ART UNIT

1630

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>WJF</i>	AR	<u>18</u>	Wang, R.J., and Nixon, B. T., "Identification of Hydrogen Peroxide as a Photoproduct Toxic to Human Cells in Tissue-Culture Medium Irradiated with "Daylight" Fluorescent Light," <i>In Vitro</i> 14: 715-722, Tissue Culture Association (1978).
<i>WJF</i>	AS	<u>18</u>	Waymouth, C., "Construction and Use of Synthetic Media," in Cells and Tissues in Culture, Vol. 1, pp 99-142. Willmer, E. N., Ed., Academic Press, NY (1965).
<i>WJF</i>	AT	<u>18</u>	Waymouth, C., "Osmolality of Mammalian Blood and of Media for Culture of Mammalian Cells," <i>In Vitro</i> 6: 109-127, Tissue Culture Association (1970).

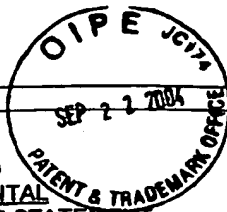
EXAMINER

WJF/Chapman

DATE CONSIDERED

5-23-06

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FILING DATE

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>Wdf</i>	AR	<u>19</u>	Unverified English language abstract for JP 59-501933 (Document AO5), available on line at www.p4.patolis.co.jp/service/e/HWWE036 (accessed August 26, 2004)
<i>Wdf</i>	AS	<u>19</u>	Unverified English language abstract for JP 60-248172 (Document AP5), available on line at www.p4.patolis.co.jp/service/e/HWWE036 (accessed August 26, 2004).
	AT		

EXAMINER

Wdf/Chapman

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APPLICANT
Richard M. Fike et al.

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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
KFD	AA1	3,771,237	11/13/1973	Hansen et al.	34	57 586	04/04/1972
	AB1	4,071,412	01/31/1978	Eisenberg et al.	435 435	102 253.6	05/05/1975
	AC1	4,490,403	12/25/1984	Pisecky et al.	426	453	06/13/1983
	AD1	4,511,592	04/16/1985	Percel et al.	426	646	06/20/1984
	AE1	4,544,637	10/01/1985	Keggins et al.	435	253.6	09/14/1982
	AF1	4,615,978	10/07/1986	Sandine et al.	435	253 253.6	12/18/1984
	AG1	4,620,908	11/04/1986	Van Duzer, J.P.	204	157.68	06/18/1984
	AH1	4,621,058	11/04/1986	Reddy, M.S.	435	253.6	04/09/1984
	AI1	4,689,297	08/25/1987	Good et al.	435 510	174 530	03/05/1985
	AJ1	4,820,627	04/11/1989	McGeenham	435	4	03/24/1986
KFD	AK1	4,885,848	12/12/1989	Christensen, M.A.	34	57 582	07/13/1988

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
KFD	AL1	CS 169,007	06/29/1976	Czechoslovakia			Abstract Yes No
	AM1	WO 94/27645	06/29/1976	WIP PCT			Yes No
	AN1	SU 1097253	06/15/1984	Soviet Union			Abstract Yes No
	AO1	EP 0 356 071 A2	02/28/1990	Europe			Yes No
KFD	AP1	DK 167090 B1	08/30/1993	Denmark			Abstract Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

KFD	AR	1	Camire, J.C.F., et al., "Efficient Cultivation of Cells Using Powdered Serum," In Vitro 34:Abstract No. V-1008, Society for In Vitro Biology (March 1998).				
	AS	1	Davis, B., et al., in Microbiology: Including Immunology and Molecular Genetics, Ch. 67, 3rd Ed., Harper & Row, Philadelphia, pp. 1264-1274 (1980).				
KFD	AT	1	Downes, et al., "The relative value of irradiated spray-dried blood powder and heat-sterilized blood meal as measured in combination with whey protein," Suid Afrikaanse Tydskrif Vir Veekunde (S. Afr. J. Anim. Sci.) 17:55-58, South African Society of Animal Science (1987).				

5-23-06

EXAMINER Katharine F. Davis

DATE CONSIDERED 6-12-02

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

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U.S. PATENT DOCUMENTS				APPLICANT Richard M. Fike et al.		FILING DATE November 6, 2000	
U.S. PATENT DOCUMENTS				GROUP 1636			
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
KFD	AA2	4,999,301	03/12/1991	Bryan-Jones, D.G.	435	252.5	09/27/1988
	AB2	5,006,204	04/09/1991	Jensen, J.P.	159	3	10/31/1988
	AC2	5,133,137	07/28/1992	Petersen, B.M.	34	57 576	02/05/1991
	AD2	5,325,606	07/05/1994	Liborius, E.	34	589	12/23/1992
	AE2	5,357,688	10/25/1994	Christensen, M.A.	34	369	05/04/1993
	AF2	5,392,531	02/28/1995	Christensen et al.	34	583	02/28/1994
	AG2	5,474,931	12/12/1995	DiSorbo et al.	435	240-31407	09/21/1993
	AH2	5,580,856	12/03/1996	Prestrelski et al.	514	21	07/15/1994
	AI2	5,756,046	05/26/1998	Winks et al.	422	32	06/25/1996
	AK	5,811,406	09/22/1998	Szoka, Jr. et al.	514	44	06/09/1995
FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
KFD	AL2	WO 95/13867	05/26/1995	WIPO PCT			Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)							
KFD	AR	2	Freshney, R.I., "The Culture Environment: II. Media and Supplements," In: Culture of Animal Cells: A Manual of Basic Technique, Alan R. Liss, Inc., New York, NY, pp. 74-78 (1983).				
	AS	2	GEA Process Technology Division, Aeromatic-Fielder Division, technical brochure entitled "Batch fluid beds: Customized fluid bed systems for solids processing," Columbia, MD.				
	AT	2	GEA Pharmaceutical Processing, Marketing brochure entitled "Plant and Process Technology by the GEA Companies."				
EXAMINER <i>Katherine Edwards</i>				DATE CONSIDERED <i>5-23-06</i> <i>6-12-02</i>			
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			

naf KFD	AR	3	GIBCO BRL 1995-1996 Product Catalogue and Reference Guide, Life Technologies, Inc., Gaithersburg, MD (January 1995).
naf ↓	AS	3	Hana, et al., "Preservation of sera, protein fractions, and tissue cultures media by spray drying," (English language abstract for CS 169,007 (Document No. AL1,)) Chem. Abstracts 88:17 Abstract No. 118717, American Chemical Society (1978).
naf KFD	AT	3	Harlow, E., and Lane, D., "Sampling Serum," In: <i>Antibodies: A Laboratory Manual</i> , Cold Spring Harbor Laboratory, Cold Spring Harbor Laboratory Press (1988).

EXAMINER Katharine F. Davis nafjellphd	DATE CONSIDERED 5-23-06 6-12-02
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	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

Waf	KFD	AR	4	Hay, et al., American Type Culture Collection Catalogue of Cell Lines and hybridomas, 6th Ed., ATCC, Rockville, MD, p. 347 (1988).
Waf		AS	4	NIRO, Inc., Technical Bulletin No. 95001 entitled "Fluid Bed Multi-Processor," Aeromatic-Fielder Division, Columbia, MD (1995).
Waf	KFD	AT	4	Robey, T.E., and Ryan, J.M., "A Comparison of the Effects of Powdered and Liquid Fetal Bovine Serum on Normal Human Cell Growth, Metabolism and Urokinase Formation," In Vitro 34:Abstract No. V-1007, Society for In Vitro Biology (March 1998).

EXAMINER	Katharine F. David Wafell	DATE CONSIDERED	5-23-06 6-12-02
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ans	KFD	AR	5	Dialog File 351, Derwent WPI, Accession No. 1976-44200X/197624, English language abstract for Denmark Patent Publication No. DK 167090 (Document APl).
ans		AS	5	"Granulated Media," in Microbiology Catalog, EM Science, Cincinnati, Ohio (1999).
ans	KFD	AT	5	Marketing brochure for EZMix Fermentation Media, Sigma, St. Louis, MO, publication date before October 1, 1996.

EXAMINER	Katharine Edwards <i>ms/edwards</i>	DATE CONSIDERED	5-23-06 6-12-02
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
<i>ndf</i> KFD	AR	6	Product and Corporate Information, American Protein Corporation, retrieved from: http://www.AmericanProtein.com/index.html (July 1999).
<i>ndf</i> KFD	AS	6	WIPDS Database on STN, Accession No. 85-005539, English language abstract for Soviet Union Patent Publication No. SU 1097253 (Document AN1).
	AT		

EXAMINER <i>Katharine F Davis</i> <i>ndf</i>	DATE CONSIDERED <i>6-12-02</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0942.4290006/RWE/D-S		APPLICATION NO. 09/705,940	
				APPLICANT Pike et al.			
				FILING DATE November 6, 2000		GROUP 1636	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
<i>uaf</i>	<i>Df</i>	AB3	4,072,570	02/07/1978	Williams, W.		02/20/1976
	<i>Df</i>	AC3	4,073,951	02/14/1978	Sargeant, R.G.		08/25/1976
	<i>Df</i>	AD3	4,632,980	12/30/1986	Zee et al.		04/03/1985
	<i>Df</i>	AE3	4,975,246	12/04/1990	Charm, S.E.		01/23/1989
	<i>Df</i>	AF3	5,366,696	11/22/1994	Williams, M.R.		01/07/1993
	<i>Df</i>	AG3	5,518,709	05/21/1996	Sutton et al.		04/10/1992
	<i>Df</i>	AH3	5,700,426	12/23/1997	Schmittthausler et al.		11/30/1994
	<i>Df</i>	AI3	5,869,321	02/09/1999	Franklin, G.J.		08/20/1997
	<i>Df</i>	AJ3	2002/0015999	02/07/2002	Biddle et al.		05/23/2000
<i>uaf</i>	<i>Df</i>	AK3	6,383,810	05/07/2002	Fike et al.		02/13/1998

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
<i>uaf</i>	<i>Df</i>	AN2	GB 1 355 192	06/05/1974	Great Britain		Yes No
<i>uaf</i>	<i>Df</i>	AN2	JP 51-98354	08/30/1976	Japan Abstract Only		Yes No
<i>uaf</i>	<i>Df</i>	AO2	EP 0 049 632 A2	04/14/1982	Europe EP		Yes No
<i>uaf</i>	<i>Df</i>	AP2	JP 57-152882	09/21/1982	Japan Abstract Only		Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR		
<i>uaf</i>	<i>Df</i>	AS	2 European Search Report for European Application No. EP 96 90 8542, completed September 9, 2002.
<i>uaf</i>	<i>Df</i>	AT	2 Frazier, W.C., and Westhoff, D.C., "General Principles of Food Preservation: Asepsis, Removal, Anaerobic Conditions," in Food Microbiology, 3 rd edition, Vastyan, J.E., and Bradley, J.W., eds., McGraw-Hill, Inc., New York, pp. 93-99, 122-123, 126-127, 143-153, 161, 434-436, 444-445 (1978).

EXAMINER <i>David J. L. [Signature]</i>	DATE CONSIDERED 5/23/06 1/28/03
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449		ATTY. DOCKET NO. 0942.4290006/RWE/D-S		APPLICATION NO. 09/705,940	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT Fike et al.		FILING DATE November 6, 2000	
		GROUP 1636			
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS
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FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS
	AL3	EP 0 155 427 A1	09/25/1985	Europe EP Abstract Only	
	AM3	JP 1-157395	06/20/1989	Japan Abstract Only	
	AN3	JP 4-198137	07/17/1992	Japan Abstract Only	
	AO3	WO 96/23868	08/08/1996	WIPO PCT	
	AP3	WO 97/11157	03/27/1997	WIPO PCT	
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)					
	AR	B	Hempel, C.A., and Hawley, C.G., et al., "Sterilization (Industrial)," in The Encyclopedia of Chemistry, 3 rd edition, Clark, G.L., and Hawley, G.G., eds., Van Nostrand Reinhold Company, New York, pp. 1052-1053 (1973).		
	AS	B	Jensen, J.D., "(Some recent advances in) Agglomerating, Instantizing, and Spray Drying," Food Technol. 29:60-71, Institute of Food Technologists (1975).		
	AT	B	Life Technologies, Inc., "GIBCO-BRL 1996-1997 Catalogue for Cell Culture," Thomson Print Services Ltd., Glasgow, Scotland, p. 16 and p. 56 (1996).		
EXAMINER <i>David Lamberton</i>				DATE CONSIDERED <i>5/21/06</i> <i>1/24/03</i>	
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.					

FORM PTO-1449		ATTY. DOCKET NO. 0942.4290006/RWE/D-S		APPLICATION NO. 09/705,940	
SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT		APPLICANT Fike et al.		FILING DATE November 6, 2000	
		GROUP 1636			
U.S. PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS SUB- CLASS
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FOREIGN PATENT DOCUMENTS					
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS SUB- CLASS
DJ	AL4	WO 97/38734	10/23/1997	WIPO PCT	
DJ	AM4	WO 97/42980	11/20/1997	WIPO PCT	
DJ	AN4	WO 98/15297	04/16/1998	WIPO PCT	
DJ	AO4	WO 98/36051	08/20/1998	WIPO PCT	
	AP				
OTHER (Including Author, Title, Date, Pertinent Pages, etc.)					
DJ	AR	2	Life Technologies, "GIBCO-BRL 1996-1997 Catalogue for Cell Culture," Thomson Print Services Ltd., Glasgow, Scotland, pp. 79-84 (1996).		
DJ	AS	2	Pending Non-Provisional United States Patent Application No. 09/343,686, Biddle et al., filed June 30, 1999 (NOT PUBLISHED).		
DJ	AT	2	Pending Non-Provisional United States Patent Application No. 09/606,314, Fike et al., filed June 29, 2000 (NOT PUBLISHED)		
EXAMINER		David Lamberton Wajalephull			DATE CONSIDERED
					5/23/06 11/24/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPBP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.					

FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0942.4290006/RWE/D-S		APPLICATION NO. 09/705,940	
				APPLICANT Fike et al.			
				FILING DATE November 5, 2000		GROUP 1636	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)				
was	Df	AR	10	Reinert, J., and Yeoman, M.M., "Sterilisation," "Culture Media," and "Composition of Culture Media," in Plant Cell and Tissue Culture: A Laboratory Manual, Springer-Verlag, Berlin, Germany, pp. 74 and 76-77 (1982).
was	Df	AS	10	Rohde, B.A., et al., BBL Manual of Products and Laboratory Procedures, BBL-Becton Dickinson & Co., pp. 97, 101, 111, 123 (1973).
was	Df	AT	10	Derwent World Patent Index, Accession No. 1976-78201X, English language abstract for JP 51-98354 (Document AN2).

EXAMINER	David Lambertson	DATE CONSIDERED	5/23/06 1/24/03
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FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0942.4290006/RWE/D-S		APPLICATION NO. 09/705,940	
				APPLICANT Fike et al.			
				FILING DATE November 6, 2000		GROUP 1636	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
was <i>DL</i>	AR	<u>11</u>	Derwent World Patent Index, Accession No. 1982-91800E, English language abstract for JP 57-152882 (Document AP2).
was <i>DL</i>	AS	<u>11</u>	Dialog File 351, Accession No. 4411606, Derwent WPI English language abstract for EP 0 155 427 A1 (Document AL3).
was <i>DL</i>	AT	<u>11</u>	Derwent World Patent Index, Accession No. 1989-218070, English language abstract for JP 1-157395 (Document AM3).

EXAMINER <i>David Lambertson wafoluphll</i>	DATE CONSIDERED <i>5/23/06</i> <i>1/24/03</i>
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

FORM PTO-1449 SECOND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT				ATTY. DOCKET NO. 0942.6290006/RWE/D-S		APPLICATION NO. 09/705,940	
				APPLICANT Pike et al.			
				FILING DATE November 6, 2000		GROUP 1636	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
may <i>DL</i>	AR	12	JPO English language abstract for JP 4-198137 (Document AN3).
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	AT		

EXAMINER <i>David Lambertson wafellaph</i>	DATE CONSIDERED <i>5/23/06</i> <i>1/24/03</i>
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EXAMINER: Initial is reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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Page 1 of 1

FORM PTO-1449

INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4290006

APPLICATION NO.
09/705,940

APPLICANT
Richard M. Fike et al.

FILING DATE
November 6, 2000

GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

max Df	AR	6	DUPLICATE max Product and Corporate Information, American Protein Corporation, (retrieved from: <http://www.AmericanProtein.com/index.html> (July 1999).
max Df	AS	6	DUPLICATE max WIPDS Database on STN, Accession No. B5-005539, English language abstract for Soviet Union Patent Publication No. SU 1097253 (Document AN1).
	AT		

EXAMINER

David Lamberton

DATE CONSIDERED

5-23-06

1/14/03

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



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Page 1 of 2 #11

FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4290006/RWE/D-S	APPLICATION NO. 09/705,940
	APPLICANTS Fike et al.	
	FILING DATE November 6, 2000	GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
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	AK2	S,155,039	10/13/1992	Chrisope et al.	435	243	07/22/1991

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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
	AT	6	Brock, T.D. et al., "Acidity and pH" in <i>Biology of Microorganisms</i> , Fourth Edition, Chapter 8.4, Prentice-Hall, Inc., Englewood Cliffs, N.J., p. 257 (1984)

EXAMINER <i>David Lomberton MHC/clapnell</i>	DATE CONSIDERED 5/23/06 5/29/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



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Page 2 of 2 #11

FORM PTO-1449 FIRST SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.4290006/RWE/D-S	APPLICATION NO. 09/705,940
	APPLICANTS Fike et al.	
	FILING DATE November 6, 2000	GROUP 1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
AA3	5,773,279	08/30/1998	Miller et al.	438	243	11/27/1996
AB3						
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AH3						
AI3						
AJ3						
AK3						

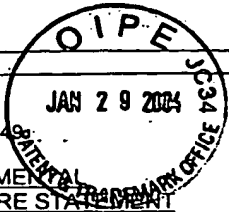
FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
AL						Yes No
AM						Yes No
AN						Yes No
AO						Yes No
AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR	2	GIBCO-BRL 1995-1996 Product Catalogue and Reference Guide, Life Technologies, Inc., Gaithersburg, MD, pp. 1-7, 1-18 and 1-24 (January 1995)
AS	2	
AT	2	

EXAMINER <i>David Samuelson</i>	DATE CONSIDERED 5/23/06 5/29/03
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.	



FORM PTO-1449

FOURTH SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.
0942.4290006/RWE/FRC
FIRST NAMED INVENTOR
Fike et al.
FILING DATE
November 6, 2000

APPLICATION NO.
09/705,940
ART UNIT
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>map</i>	AR	<u>13</u>	Unverified English Translation of Japanese Patent Application Publication No. JP 2-57175 (Document AP4)
	AS		
	AT		

EXAMINER *map/muller*

DATE CONSIDERED
5-23-2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



FORM PTO-1449

THIRD SUPPLEMENTAL
INFORMATION DISCLOSURE STATEMENTATTY. DOCKET NO.
0942.4290006/RWE/FRCAPPLICATION NO.
09/705,940APPLICANT
Fike et al.FILING DATE
November 6, 2000GROUP
1636

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
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FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
<i>WLF</i>	AP4	JP 2-57175	02/26/1990	Japan			Yes x No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
<i>WLF</i>	AS	12	Maa, Y.-F., et al., "Spray-coating of rhdNase on lactose: effect of system design, operational parameters and protein formulation," Int. J. Pharm. 144:47-59, Elsevier Science B.V. (1996).
<i>WLF</i>	AT	12	WPI/Derwent Accession No. 1990-104911, English language abstract for JP 2-57175 (Document AP4).

EXAMINER

WLF

DATE CONSIDERED

5/23/06

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